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(54) Title: NOVEL SULFENAMIDE OXIDES

$$X_3$$
  $X_2$   $X_2$   $X_1$   $X_1$   $X_2$   $X_2$   $X_1$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_2$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_2$   $X_2$   $X_1$   $X_2$   $X_2$   $X_2$   $X_2$   $X_2$   $X_2$   $X_2$   $X_3$   $X_2$   $X_3$   $X_3$   $X_3$   $X_4$   $X_4$ 

(57) Abstract: Sulfenamide oxide compounds of general formula (I) are disclosed wherein A, R<sub>1</sub>, R<sub>2</sub>, X<sub>1</sub>, X<sub>1</sub>', X<sub>2</sub>', X<sub>3</sub>', X<sub>3</sub>', X<sub>4</sub>, X<sub>5</sub> and X<sub>5</sub>' define a variety of variables and wherein q is 0 or 1 and p is 1 or 2. The compounds disclosed in the examples are galactofuranosyl and glucofuranosyl sulfenamide oxide compounds wherein the variable A is oxygen. Methods of synthesis of compounds of general formula (I), pharmaceutical compositions containing them and methods of using them to treat patients suffering a microbial infection are also disclosed.

